



SITE INTEGRATION FULL SERVICE APPLIED LNG

OWNER
Applied LNG

LOCATION
Needle Mountain Topock, Arizona, USA

PRODUCT
Centaur® 40 Compressor Set

CUSTOMER VALUE
Refrigeration

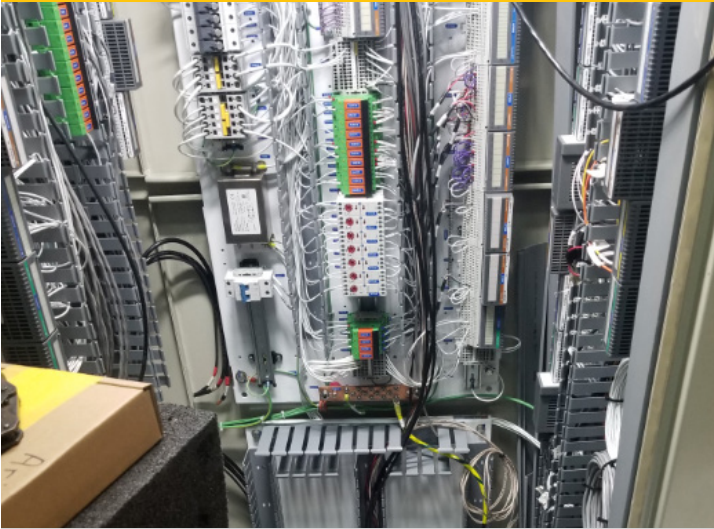
Applied LNG provides refrigeration for liquefaction of natural gas. The Solar® compressor driven by the Centaur 40 gas turbine is a key component to Applied LNG's operation. During a scheduled outage, the limited storage capacity only allowed for a maximum outage of six days.

Applied LNG purchased Solar's full-service site integration to help develop a plan and supervise their contractors to ensure as much prework as possible would be accomplished prior to shutting down the package for the six-day outage. A site survey was performed by the Solar team, and a detailed contractor work scope was issued to Applied LNG's contractor.

Solar® Turbines

A Caterpillar Company

Site Integration – Full Service



SCOPE OF WORK

Control Retrofit Upgrade (Turbotronic™ 5)

Pework (Offsite Preparation)

Gas Fuel Module, PCD Module and Package Devices

SIX-DAY DOWNTIME

PREWORK COORDINATION

ONSITE PROJECT MANAGEMENT

Prior to the compressor outage, trenches were created with a hydro vacuum machine, conduit was placed in the trenches, and prestamp wire with detailed cable schedules were delivered to the customer.

Solar shipped the material early and wired the unit control panel prior to the package being shut down using the new stamped package wire. MCC wiring was identified in the existing unit control panel and labeled prior to the outage. All ethernet and communication to and from the customer's facility were connected and tested.

New package devices were placed and wired to the new junction boxes, and modules were staged for fast installation once the package stopped operating. After the package was shut down, the installation and commissioning were completed within the six day planned outage.

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